Installation Instructions

DAD - Replacement Dryer Tank Kit

Part #AAP90102

Description:

Upon exiting the Ultrair Coalescing Filter of the DAD unit, discharge is free of oil vapor and large water droplets. The actual fine mist or moisture vapor drying them takes place as the air is directed through drying desiccant from bottom to top in the drying chamber.

In the event that the existing desiccant becomes so saturated with water and oil that the manual purge cycle fails to regenerate it, a replacement drying chamber kit is required.

The drying chamber is internally coated with an anticorrosive material. A stainless steel wire mesh screen supports the air drying media, consisting of an activated alumina buffer bed and approximately 4 pounds of silica gel (desiccant). The drying chamber, complete with stainless steel screen, sintered bronze air filter, 1 pound of activated alumina, 4 pounds of silica bead gel, 1/2" x 1/4" bushing, and a 1/2" x 3/8" bushing.

Installation:

The replacement drying chamber comes completely assembled and filled with desiccant ready to be bolted in place. The old drying chamber can simply be discarded.

Removal Of Old Drying Chamber:

1. Turn off power switch at air compressor.
2. Open storage tank drain valve to release all the air pressure contained in the storage tank and then return valve to closed position.
3. Loosen the compression nut and disconnect the 3/8" O.D. compressor discharge copper tube line at the entrance to the Ultrair Filter on the DAD system.
4. Loosen the compression nut and disconnect the 3/8" O.D. DAD outlet copper tube line at the purge gauge/moisture indicator elbow.
5. Disconnect the 1/4" O.D. copper tube line from the elbow compression fitting at the outlet of the DAD Ultrair Filter.
6. Remove the two 3/8" lag bolts from the bottom of the wall mount bracket and loosen the two at the top enough so that the entire DAD unit can be removed from the wall via keyhole slots.
7. Loosen the compression nuts and separate the copper tubing from both the flow control valve assembly at the top of the drying chamber and the quick exhaust valve at the bottom of the drying chamber.
8. Remove the four hex head bolts securing the drying chamber to the wall mount channel and remove chamber from the system.
9. Remove the flow control valve assembly complete with drying filter from the drying chamber.
10. Remove the dryer filter from the flow control valve and discard the filter.
11. Remove the quick exhaust valve from the old drying chamber.

Installing The New Drying Chamber:

1. Re-connect the quick exhaust valve to the bottom of the new drying chamber. (Use pipe sealant).
2. Re-connect the flow control assembly to the top of the new drying chamber using new dryer filter supplied. (Use pipe sealant)
3. Re-assemble the new drying chamber to the wall mount channel using the four hex head bolts.
4. Tighten the compression nuts securing the copper tubing to the flow control valve assembly and the quick exhaust valve.

NOTE: Remount the DAD system on the wall and secure it with the 3/8" lag bolts.

Installing The New Drying Chamber (Continued):

5. Tighten the compression nut attaching the 3/8" O.D. compressor discharge copper tube line to the entrance of the Ultrair Filter on the DAD system.
6. Tighten the 3/8" compression nut at the DAD gauge/moisture indicator elbow attaching the DAD outlet to the compressor storage tank.
7. Attach the 1/4" O.D. copper tube line from the pressure switch at the elbow compression fitting on the outlet of the DAD Ultrair Filter.
8. Turn on the power switch at the air compressor.
9. Check that the DAD purge gauge and compressor storage tank gauge pressurize, and that the compressor shuts-off at 100 PSI, and automatically unloads the DAD system.
10. Check all tubing connections to and from the DAD and compressor package for any leaks with soapy-water solution. Tighten fittings to close off any air leaks.